MAQUET
GETINGE GROUP

MOBILE OPERATING TABLE
ALPHASTAR PRO

This document is intended to provide information to an international audience outside of the US.

MAQUET

THE ALPHASTAR PRO OR TABLE – EXCEPTIONAL STABILITY AND UNIVERSAL APPLICATIONS
MAQUET – THE GOLD STANDARD

Always built on practical experience, for even more efficient workflows: MAQUET is a subsidiary of the Swedish, stock market-listed GETINGE Group. The company is one of the leading global suppliers of therapeutic treatments as well as medical products and OR, catheterisation laboratory and intensive care unit solutions. With its three divisions – Cardiovascular, Critical Care und Surgical Workplaces – MAQUET stands for innovation and technological progress.

Modular, versatile and extremely stable in use: the mobile ALPHASTAR PRO OR table. Like all the other products in the OR table range, the outstanding features of the ALPHASTAR PRO are its exceptional base stability and the low-level version for operations carried out from the seated position. The motorised leg plate mounting point allows enhanced flexibility and increased application versatility.

MAQUET – The Gold Standard.

AS FLEXIBLE AS THE DAILY CLINICAL REQUIREMENTS
AS SIMPLE AS THE OR TEAM WANTS

Maximum modularity thanks to the use of uniform mounting points: the use of uniform mounting point geometry means that ALPHASTAR PRO offers the ideal prerequisites for a wide range of positioning options. In the gynaecology and urology disciplines, for example, optimum positioning can be achieved by the use of motor-adjustable leg plates and leg holders.

Easy Click for quick changes: quick and simple table top configuration is made easy thanks to the specially designed mounting point. One single action is all it takes to exchange the motor-adjustable leg and back plates. An audible "click" signals that the module is securely locked into position. No need for time-consuming tightening or turning. Efficient and economic.

Universally applicable: the mobile OR table with motorised leg plate mounting point

Quick and efficient: the modular construction with mounting points for extension modules, adaptable to each surgical discipline

Two versions for maximum height adjustability: as well as the normal version with height adjustment from 685 to 1120 mm (27 to 44”), ALPHASTAR PRO also has a lower height version, from 598 to 950 mm (24 to 37”). So, depending on circumstances and personal preference, operations can be carried out in an equally ergonomic and relaxed way, whether seated or standing.

Backlit hand control: working in a darkened MIS theatre is made much easier thanks to the backlit keypad on the hand control. The icons are self-explanatory and give the user intuitive and secure operation via an IR signal or a cable.

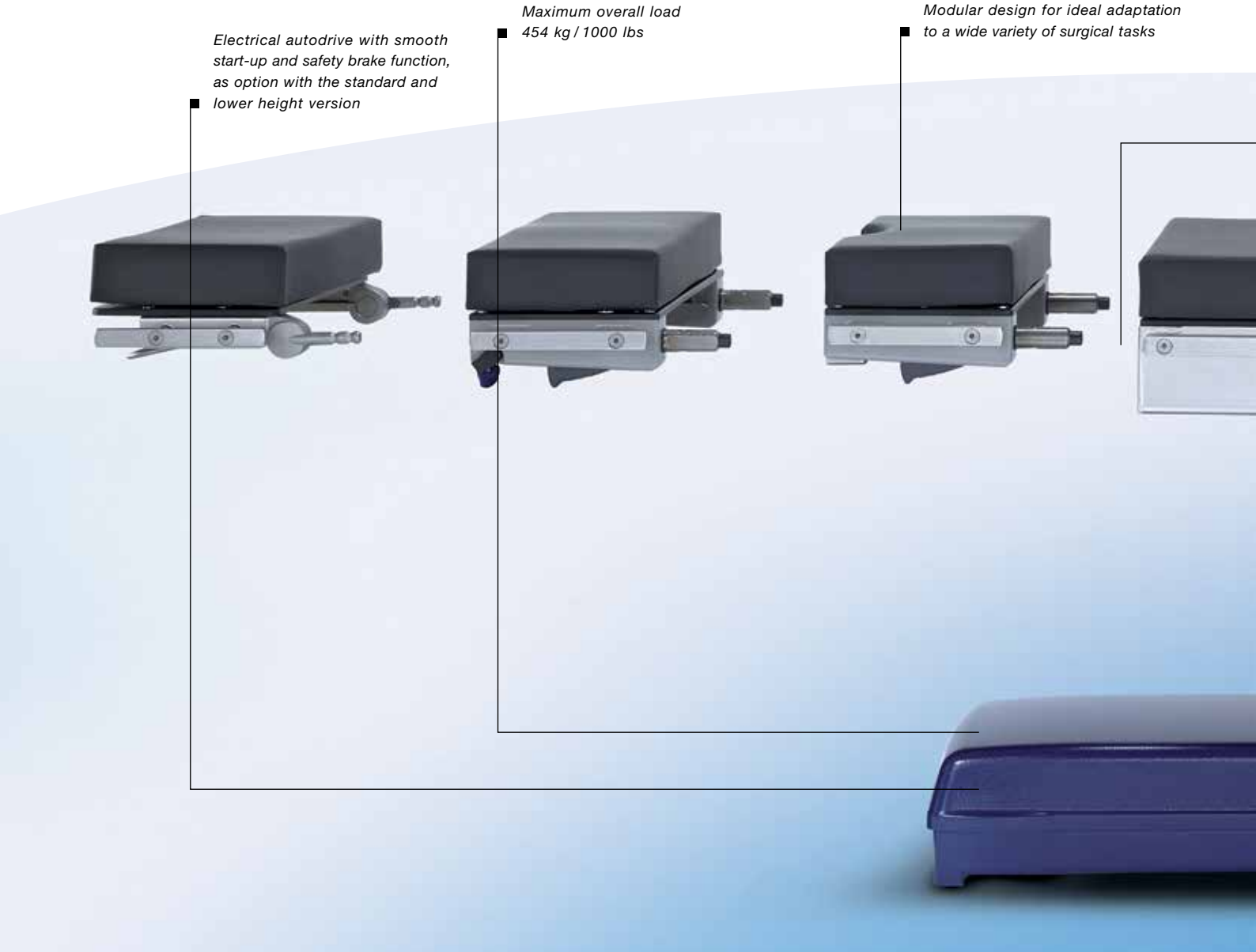
Choose to work standing up or sitting down: ALPHASTAR PRO is available in the normal or lower height version, depending on your requirements

Adjusting height, tilt, inclination, leg and back plates using the backlit hand control

VERSATILE, ERGONOMIC, COMFORTABLE
PROPERTIES THAT COUNT

Universally applicable: from the autodrive to the exceptionally stable column with its three-point base, from the electro-hydraulic drive for all the important functions of the OR table to the modular construction of the table top and the mounting point for motorised leg plates, ALPHASTAR PRO can be deployed for all surgical disciplines.

Intraoperative imaging: the complete table top needs no crossbars, making it very suitable for intraoperative radioscopy and providing the best conditions for efficient workflows and good operation results.


Electrical autodrive with smooth start-up and safety brake function, as option with the standard and lower height version
Maximum overall load 454 kg / 1000 lbs
Modular design for ideal adaptation to a wide variety of surgical tasks

Extra thick (80 mm / 3") and tried and tested: multi-layer SFC pads offer patients protection against pressure injuries and deliver noticeably more comfort

Even more safety: the safety catch for the head plate mounting point (passive lock)

Active unlocking when removing the head plate

Option: joint adapter (1131.82A0) for more accessories

Ergonomic working position, whether sitting or standing, thanks to flexible height adjustability

Enhanced modularity: mounting point for extension modules

GYNAECOLOGICAL AND UROLOGICAL POSITIONING
MOTORISED LEG PLATES FOR ADDED PRECISION

Optimum positioning best results: ALPHASTAR PRO offers the best conditions for working comfort with height adjustments to meet all expectations, motor-adjustable leg plates and its narrow column foot for ease of access. The seat plate extension with leg holders facilitates the complete radioscopy of the urogenital tract. The leg plate mounting point can be moved upwards through a maximum of 80° and downwards through 90°.

Lithotomy position using Goepel leg holder

Lithotomy position using Goepel leg holder

Lithotomy position with seat plate extension and leg holders with one-hand operation

Lateral position for kidney operations

** radiolucent area*

Seated position
for neurosurgery

ORTHOPAEDIC AND TRAUMATOLOGY POSITIONING
VERSATILE EXPANSION OPTIONS AND 360° RADIOLUCENT

The best conditions for every type of operation: uniform mounting points and simple "Easy Click" installation make quick work of equipping ALPHASTAR PRO with MAQUET special orthopaedic and traumatology accessories.

Intraoperative controls via imaging procedures are made possible, thanks to the 360° radiolucent modules, giving optimum results and reducing the need for post-operative measures.

Beach chair position with TRIMANO 3D support arm

Lateral position for hip operations

Prone position for spinal operations

Prone position with Universal Frame, giving maximum stability and optimum a-p and 360° radioscopy of the spine

** radiolucent area*

POSITIONING EXAMPLES
FURTHER DISCIPLINES

Reverse mode: 360° fluoroscopy possible with image converter (C-arm) for surgery to lower extremities or pelvis

Normal mode: unrestricted access for cardiovascular surgery with the image converter (C-arm), from the head right down to the lower leg

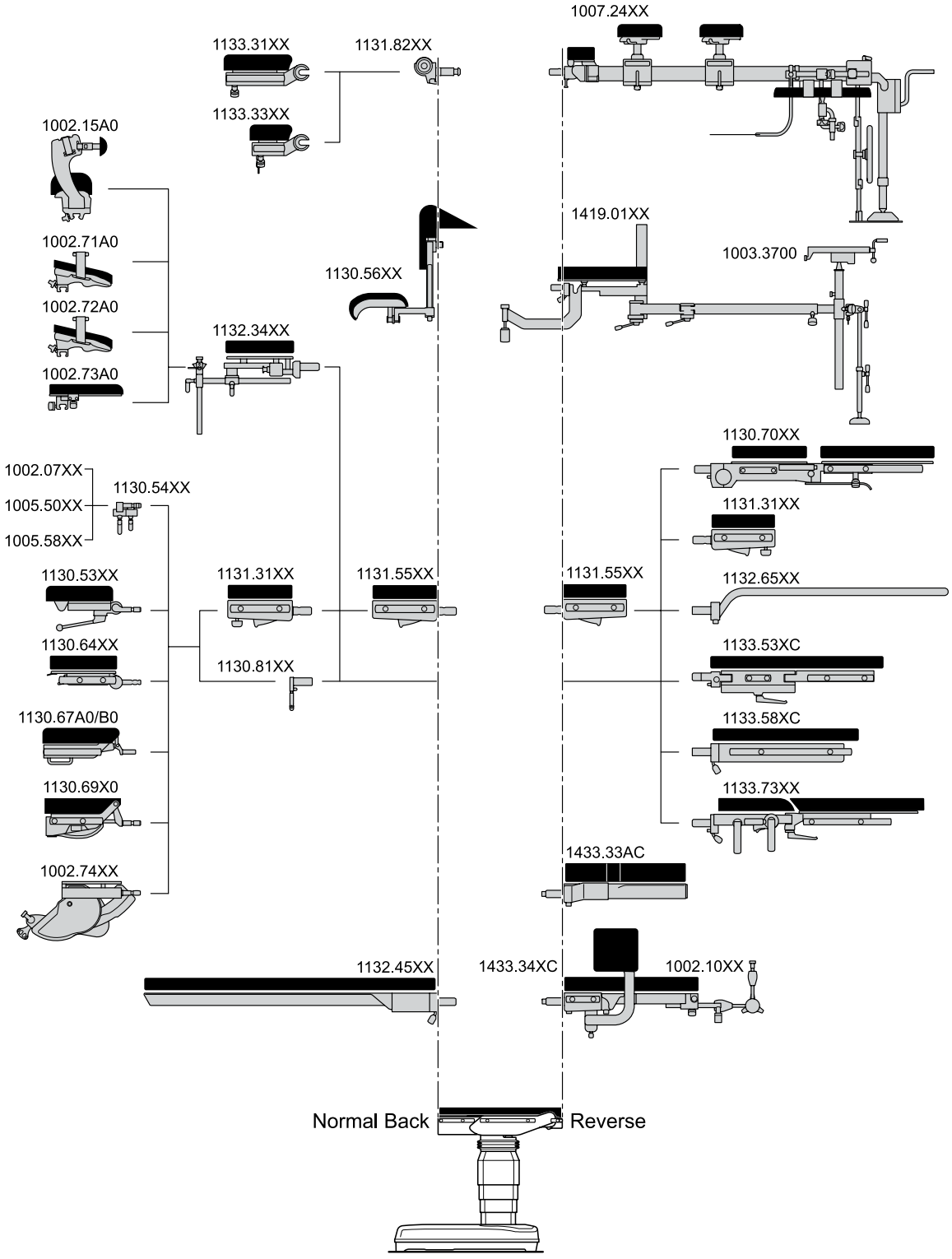
Gentle head support, maintaining the correct spinal position, using a horseshoe head rest with motor-driven head rest adjustment

Position for laparoscopic surgery with dual joint abduction leg plate

* *radiolucent area*

Standing position
for adiposity surgery

ALPHASTAR PRO
ACCESSORY OVERVIEW



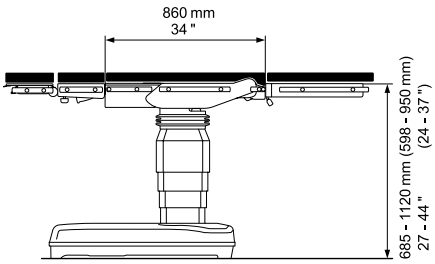
The user manual covers all combination possibilities.

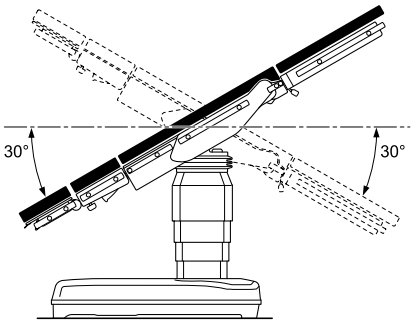
TECHNICAL SPECIFICATIONS
AND CONSTRUCTION FEATURES OF ALPHASTAR PRO

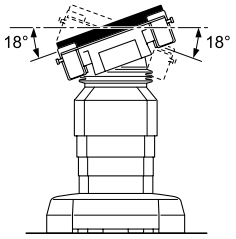
Adjustment options using the corded hand control, IR remote control or override panel	
Height without padding	
1132.21	685–1120 mm / 27-44”
1132.22	598-950 mm / 24-37”
Trendelenburg	+30°/-30°
Lateral tilt	18°
Normal back plate	+70°/-40°
Leg plate mounting point	+80°/-90°
0-position (resetting of adjustment options such as inclination, lateral tilt, back and leg plates)	
Foot locking (“Lock”/”Unlock”)	
Patient orientation (normal/reverse)	
Base foot autodrive (Equipment option, in conjunction with corded hand control)	

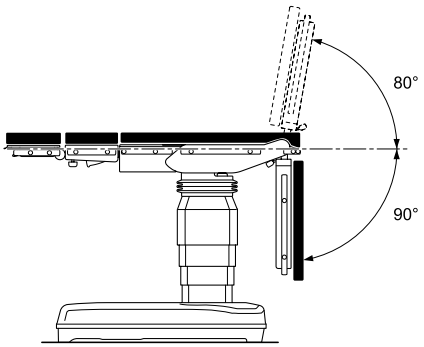
Technical information	
Max. overall load	
1132.21/22	454 kg / 1000 lbs
Operating table weight	300 kg / 661 lbs
CE Complies with Medical Device Directive 93/42/EEC	

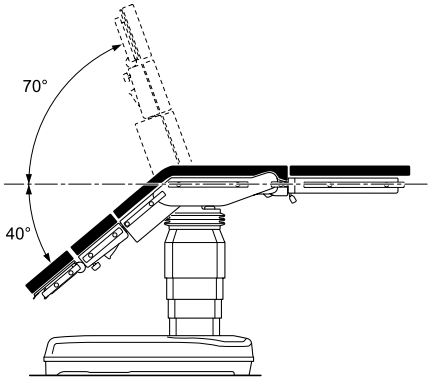
Dimensions	
Length without accessories	860 mm / 34“
Width at the back plate	525 mm / 21”
Width at the seat plate	540 mm / 21”
Width across accessory rails	590 mm / 23”

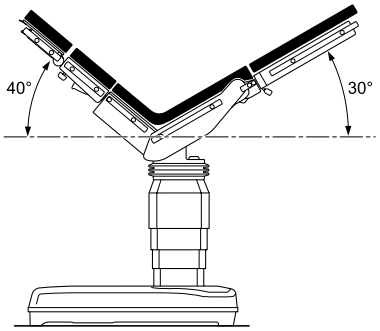


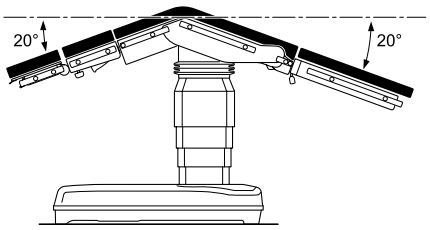


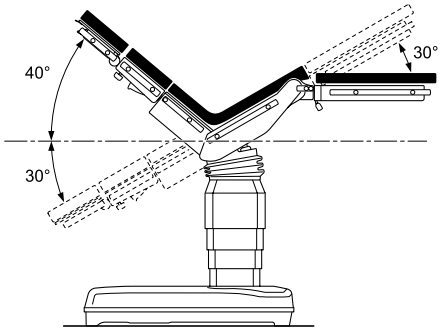


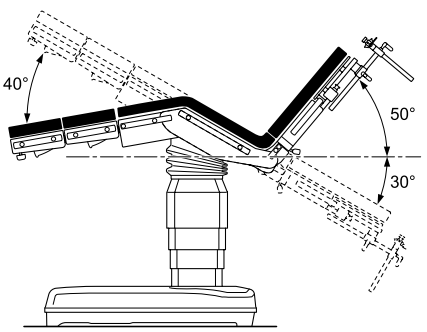












GENERAL CONSTRUCTION FEATURES ALPHASTAR PRO

- Battery and mains power operation (see electrical specifications)
- Control of the electro-hydraulic manoeuvrability and adjustment functions using a corded hand control or IR remote control
- Stable base construction with four double-swivel castors for easy movement and manoeuvring (locking via the control unit)
- Optional additional foot-operated switch for all models
- Cover for base and override control panel made of glass fibre-reinforced composite plastic, resistant to impact, breakage and disinfectant agents, with neutral tone colouring and a scratch-resistant coating
- CrNi steel column casing
- CrNi steel seat and back plate supporting arms
- CrNi steel accessory rails

FEATURES OF THE OPERATING TABLE TOP

- Operating table top: subdivided into six sections with head plate (optional), upper back plate (optional), lower back plate, seat plate, leg plates (optional)
- Seat and back plate supporting arms, leg clamps, joint covers and accessory rails made of CrNi steel
- SFC (Soft Foam Core) padding with multi-layer construction, for exceptional positioning comfort and maximum patient safety, with 80 mm (3”) pad thicknesses
- Table top without crossbars for intraoperative radioscopy
- Setting of patient orientation using the control units

ELECTRICAL SPECIFICATIONS

- Maintenance-free battery with capacity for about one week of OR use
- Battery charge level: electronic monitoring with optical and acoustic display
- Power cable for mains power operation and battery charging
- AC mains power nominal voltages
  100/110-115/127/200/220/230-240 V (switchable)
  Protection class II, Type B, IEC 60601-1
  Rated frequency 50/60 Hz

VERSIONS AND TABLE TOP PADDING

1132.21B0	**ALPHASTAR PRO standard version**, max. overall load 454 kg (1000 lbs). Mobile operating table for general surgery in modular design, electro-hydraulic, without control units, with 80 mm (3”) SFC padding, radiolucent and electrically conductive, 10 x 25 mm (0.3 x 0.9”) format accessory rails
1132.21B2	see above (1132.21B0), however, with electric autodrive
1132.22B0	**ALPHASTAR PRO low height version**, max. overall load 454 kg (1000 lbs)
1132.22B2	see above (1132.22B0), however, with electric autodrive

RECOMMENDED BASIC ACCESSORIES

1132.90J0	Corded hand control
1130.64XX	Head rest, with SFC padding
1131.31XX	Extension plate, with SFC padding
1133.53XX	Pair of leg plates, with dual-joint abduction, with SFC padding

OPTIONAL ACCESSORIES

Operation via	
1132.91J0	IR remote control
1009.70A0	Charger for IR remote control
1009.81E0	Foot switch for the following functions: height, inclination, back
1009.81E1	Foot switch for the following functions: height, inclination, tilt
1009.81E2	Foot switch for the following functions: height, inclination, leg plates

Head plates	
1130.81A0	Head rest adapter
1131.82A0	Joint adapter, for 1133 or 1150 modules
1130.67XX	Head rest with gas strut assisted adjustment, with SFC padding
1130.53XX	Head rest with double joint, with SFC padding

Back/seat plates	
1132.34XX	Back plate for shoulder surgery, with SFC padding
1131.55XX	Seat plate extension, with SFC padding

Leg plates	
1133.58XX	Leg plate, single-section, with SFC padding
1132.65A0	Transfer board, max. 40 kg (88 lbs) load (weight of a leg from a 135 kg (297 lbs) patient), without side rails
1133.73XX	Pair of leg plates, 4-section, with SFC padding
1133.67XX	Pair of leg plates, carbon fibre, with SFC padding

Other accessories	
1131.80A0	X-ray top

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